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(54) Demountable car boot security door with frame

(57) The frame G can be installed using a wrench, and is made to fit into many car boots by using rubber feet L on bolts H. A detachable door P is lockable in frame G to prevent access to goods in the boot R. The door P when detached can be used for other purposes eg as work top or picnic surface.

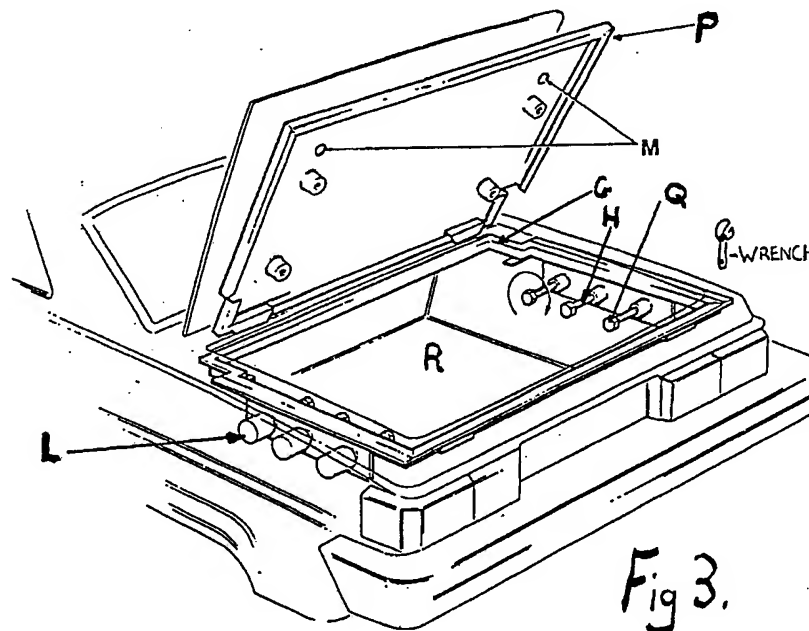
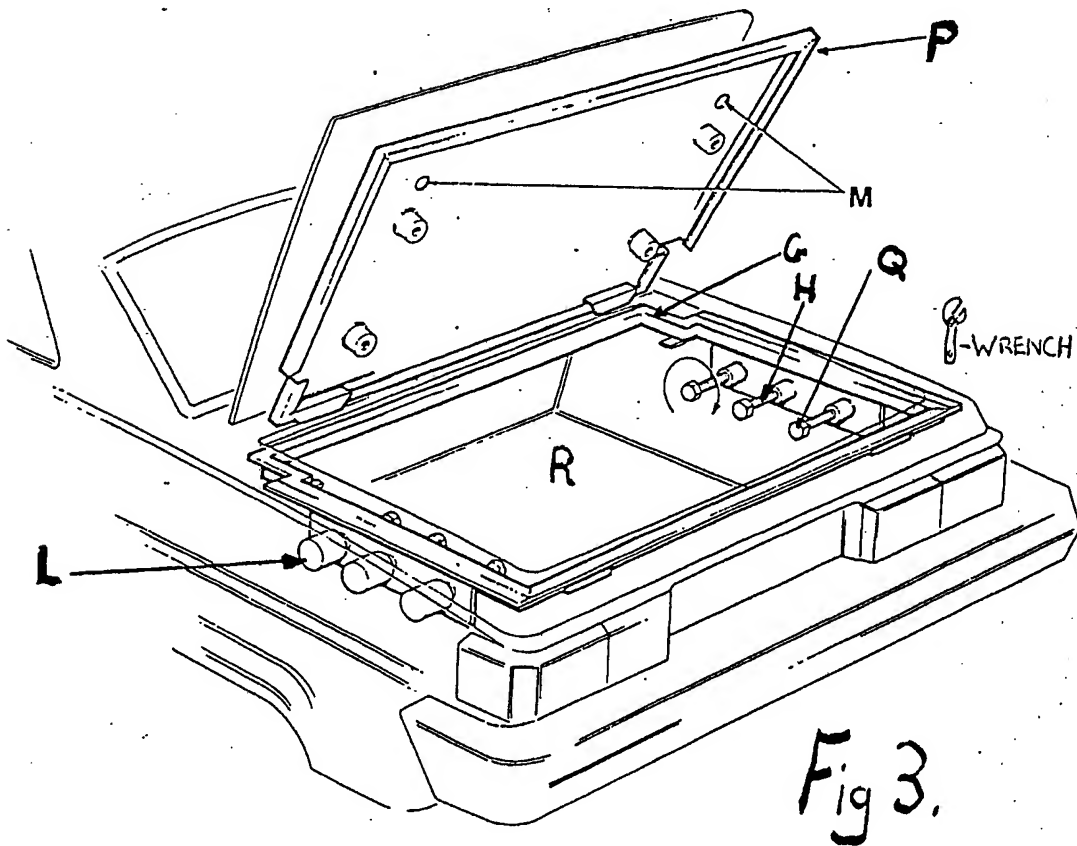
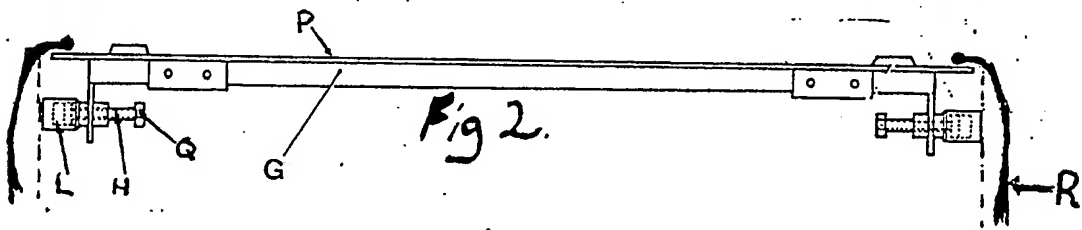
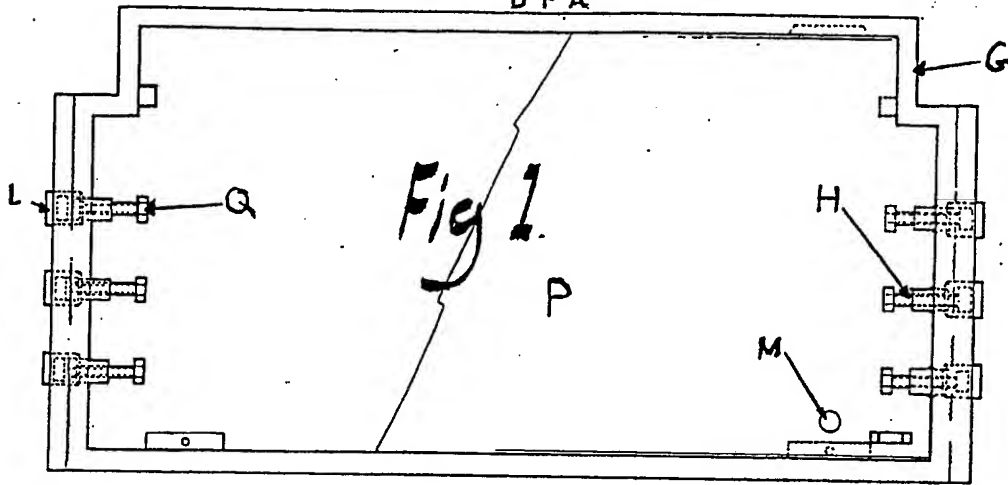


Fig 3.

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SPECIFICATION

Demountable car boot security door with frame

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This invention relates to a demountable car boot security door with frame.

Automobile boot compartments are increasingly called upon to store valuables. The common boot covering provided by the auto makers and the stock locks are no longer capable of withstanding the onslaught of well equipped criminals.

According to this invention a demountable car boot security door with frame installed in the boot under the existing covering provided by the car maker (boot lid), would provide a hidden second door impervious to break-ins and provide a very secure compartment for storing valuables and car accessories.

A specific embodiment of the invention will now be described by way of example with reference to the accompanying drawing.

Figure 1 Shows the top of unit. (Viewpoint).

Figure 2 Shows the frame and it's door fastened in place from the front side.

Figure 3 Shows the frame fastened in place with it's door in a lifted out position.

Referring to the drawing the security doors Frame G minus the door P is lowered at an angle into a car boot R. To do this it may be necessary to retract all rods H by turning their bolt heads Q counter clockwise for clearance.

When the Frame G is in the boot and square with the boot walls, the rods H on one side may then begin to be screwed clockwise by using a tool (not shown).

After some turning the rubber disc feet L at the ends of the rods H will begin to contact the inside wall of that side of the boot R. Now turning of the rods H on the other side will allow the Frame G to suspend itself just up under the top edges of the boot R.

When the rods H have sufficiently tightened to hold frame G in place further even tightening of the rods H will firmly secure the Frame G. With the Frame G installed it's a simple matter of slotting in the removable door and locking the locks M (not part of this invention). The units can be made to fit any boot size.

CLAIMS

1. Demountable car boot security door with frame (also removable) comprising a demountable frame, a door that is detachable and fits within the frame and rods of adjustable lengths with pivoting, swivelling foot pads fastened to the rods distal ends. These rubber covered foot pads self align to contour to the boot walls and to distribute the outward stress caused by the rods being extended outward in order to hold the frame securely in place within the upper limits of a car boot top edges.

2. Demountable car boot security door with frame as claimed by claim 1. The door not being hinged and fitting into the frame with the fore part of the door having protruding tabs do not permit that side of the door to be extracted from its fastened frame.

3. Demountable car boot security door with frame as claimed by claims 1, 2. The detachable door be locked in place by locks not part of invention and tabs as claimed by claim 2. The locks fitting into holes M drilled at front corners of door.

4. Demountable car boot security door as in claims 1, 2, 3. Door can be left out when not in use as can frame if need be.

5. Demountable car boot security door as claimed by claims 1, 2, 3, 4, can be installed in most car boots using only one tool.

6. Demountable car boot security door as claimed by claims 1, 2, 3, 4, 5, has recessed corners to accommodate car boot hinges.

7. Demountable car boot security door as claimed by claims 2 holds itself open for easy loading of goods into car boot. No stand or support is required.

8. Demountable car boot security door as claimed 1, 2. When fitted seals itself off from tool which might be used by intruder to extricate device.

9. Demountable car boot security door as claimed 4. Door, when detached may be used for other purposes such as work top or picnic surface.

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